

Gregory, Bernarr

From: PLUS
Sent: Wednesday, June 01, 2005 3:40 PM
To: Gregory, Bernarr
Subject: PLUS Results for 10761014

Here are the PLUS search results for 10761014.

This search was prepared by the staff of the Scientific and Technical Information Center, SIRA. If you have questions or comments about this search, please reply via email to PLUS@uspto.gov.



10761014_QUAL
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10761014_LIST.
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10761014_WES
T.txt



10761014_EAST
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10761014.east



10761014_CLS.t
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10761014_CLST 10761014_WDS.
TTLES.txt



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10761014_QUAL.txt

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PLUS Search Results for S/N 10761014, Searched June 01, 2005

The Patent Linguistics Utility System (PLUS) is a USPTO automated search system for U.S. Patents from 1971 to the present. PLUS is a query-by-example search system which produces a list of patents that are most closely related linguistically to the application searched. This search was prepared by the staff of the Scientific and Technical Information Center, SIRA.

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10761014_CLS.txt
Most Frequently Occurring Classifications of Patents Returned
From A Search of 10761014 on June 01, 2005

Original Classifications

15	331/16
14	331/1A
14	455/76
11	708/276
10	331/2
7	327/105
7	331/18
7	331/4
7	375/308
6	708/271
5	327/106
5	375/376
4	327/107
4	331/1R
4	331/25
4	332/103
3	331/17
3	332/100
3	332/117
3	342/22
3	348/731
3	375/326
3	375/344
3	375/373
3	455/260
2	73/19.03
2	324/309
2	324/613
2	324/76.27
2	324/76.33
2	327/156
2	331/10
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2	375/222
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2	375/350
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2	455/182.2
2	455/182.3

Cross-Reference Classifications

61	331/25
25	327/105
24	455/260
21	331/17
20	375/376

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 18 327/106
 18 455/76
 16 327/107
 14 708/276
 13 332/127
 11 331/1A
 10 332/144
 10 455/183.1
 9 327/156
 9 375/308
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 8 332/103
 8 708/271
 7 331/14
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 7 455/113
 6 331/178
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10761014_CLS.txt

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Combined Classifications

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 25 375/376
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 2 324/344
 2 324/613
 2 324/76.12
 2 324/76.33
 2 324/76.35
 2 324/76.43
 2 324/76.53
 2 327/117
 2 327/119
 2 327/12
 2 327/158
 2 327/231
 2 327/355
 2 327/9
 2 329/306
 2 329/323
 2 331/107SL
 2 331/117D
 2 331/12
 2 331/158
 2 331/175
 2 331/22
 2 331/3
 2 331/37
 2 331/38
 2 331/41
 2 331/47
 2 331/56
 2 331/74
 2 331/77
 2 331/78
 2 331/94.1
 2 332/104
 2 332/112
 2 332/125
 2 332/145
 2 341/118
 2 342/128
 2 342/134
 2 342/135

2 342/173
2 342/200
2 342/204
2 342/27
2 360/51
2 360/61
2 370/337
2 372/18
2 375/130
2 375/140
2 375/147
2 375/274
2 375/297
2 375/298
2 375/302
2 375/305
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2 375/307
2 375/316
2 375/317
2 375/324
2 375/346
2 375/350
2 375/367
2 375/372
2 377/44
2 377/47
2 455/126
2 455/164.2
2 455/208
2 455/226.1
2 455/265
2 455/3.02
2 455/304
2 455/310
2 455/313
2 455/42
2 455/67.13
2 455/71
2 455/75
2 455/77
2 455/84
2 702/69
2 702/75
2 708/272
2 725/68

Titles of Most Frequently Occurring Classifications of Patents Returned
From A Search of 10761014 on June 01, 2005

65	331/25	(4 OR, 61 XR)
	Class 331 :	OSCILLATORS
	331/1R	AUTOMATIC FREQUENCY STABILIZATION USING A PHASE OR FREQUENCY SENSING MEANS
	331/18	.With reference oscillator or source
	331/25	..Signal or phase comparator
34	331/16	(15 OR, 19 XR)
	Class 331 :	OSCILLATORS
	331/1R	AUTOMATIC FREQUENCY STABILIZATION USING A PHASE OR FREQUENCY SENSING MEANS
	331/16	.Tuning compensation
32	327/105	(7 OR, 25 XR)
	Class 327 :	MISCELLANEOUS ACTIVE ELECTRICAL NONLINEAR DEVICES, CIRCUITS, AND SYSTEMS
	327/100	SIGNAL CONVERTING, SHAPING, OR GENERATING
	327/105	..Synthesizer
32	455/76	(14 OR, 18 XR)
	Class 455 :	TELECOMMUNICATIONS
	455/73	TRANSMITTER AND RECEIVER AT SAME STATION (E.G., TRANSCEIVER)
	455/75	.With frequency stabilization (e.g., automatic frequency control)
	455/76	..Synthesizer
27	455/260	(3 OR, 24 XR)
	Class 455 :	TELECOMMUNICATIONS
	455/130	RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY CONVERTER
	455/230	.Local control of receiver operation
	455/255	..Local oscillator frequency control
	455/257	...Automatic
	455/258Utilizing particular local oscillator control
	455/259Reference oscillator or source
	455/260Phase lock loop or frequency synthesizer
26	331/18	(7 OR, 19 XR)
	Class 331 :	OSCILLATORS
	331/1R	AUTOMATIC FREQUENCY STABILIZATION USING A PHASE OR FREQUENCY SENSING MEANS
	331/18	.With reference oscillator or source
25	331/1A	(14 OR, 11 XR)
	Class 331 :	OSCILLATORS
	331/1R	AUTOMATIC FREQUENCY STABILIZATION USING A PHASE OR FREQUENCY SENSING MEANS
	331/1A	.AFC with logic elements
25	375/376	(5 OR, 20 XR)
	Class 375 :	PULSE OR DIGITAL COMMUNICATIONS
	375/354	SYNCHRONIZERS
	375/371	.Phase displacement, slip or jitter correction
	375/373	..Phase locking
	375/376	...Phase locked loop

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- 25 708/276 (11 OR, 14 XR)
 Class 708 : ELECTRICAL COMPUTERS: ARITHMETIC PROCESSING
 AND CALCULATING
 708/100 ELECTRICAL DIGITAL CALCULATING COMPUTER
 708/200 .Particular function performed
 708/270 ..Function generation
 708/276 ...Trigonometric
- 24 331/17 (3 OR, 21 XR)
 Class 331 : OSCILLATORS
 331/1R AUTOMATIC FREQUENCY STABILIZATION USING A PHASE
 OR FREQUENCY SENSING MEANS
 331/17 .Particular error voltage control (e.g.,
 intergrating network)
- 23 327/106 (5 OR, 18 XR)
 Class 327 : MISCELLANEOUS ACTIVE ELECTRICAL NONLINEAR
 DEVICES, CIRCUITS, AND SYSTEMS
 327/100 SIGNAL CONVERTING, SHAPING, OR GENERATING
 327/105 .Synthesizer
 327/106 ..Having stored waveform data (e.g., in ROM,
 etc.)
- 20 327/107 (4 OR, 16 XR)
 Class 327 : MISCELLANEOUS ACTIVE ELECTRICAL NONLINEAR
 DEVICES, CIRCUITS, AND SYSTEMS
 327/100 SIGNAL CONVERTING, SHAPING, OR GENERATING
 327/105 .Synthesizer
 327/107 ..Having digital device (e.g., logic gate,
 flip-flop, etc.)
- 16 331/2 (10 OR, 6 XR)
 Class 331 : OSCILLATORS
 331/1R AUTOMATIC FREQUENCY STABILIZATION USING A PHASE
 OR FREQUENCY SENSING MEANS
 331/2 .Plural oscillators controlled
- 16 375/308 (7 OR, 9 XR)
 Class 375 : PULSE OR DIGITAL COMMUNICATIONS
 375/295 TRANSMITTERS
 375/302 .Angle modulation
 375/308 ..Phase shift keying
- 14 332/127 (1 OR, 13 XR)
 Class 332 : MODULATORS
 332/117 FREQUENCY MODULATOR
 332/123 .Including stabilization or alternatively
 distortion, noise or other interference prevention,
 reduction, or compensation
 332/126 ..Automatic frequency stabilization or control
 332/127 ...Phase or frequency locked loop
- 14 708/271 (6 OR, 8 XR)
 Class 708 : ELECTRICAL COMPUTERS: ARITHMETIC PROCESSING
 AND CALCULATING
 708/100 ELECTRICAL DIGITAL CALCULATING COMPUTER
 708/200 .Particular function performed
 708/270 ..Function generation
 708/271 ...Direct digital frequency synthesizer
- 13 331/4 (7 OR, 6 XR)

Class 331 : OSCILLATORS
 331/1R AUTOMATIC FREQUENCY STABILIZATION USING A PHASE
 OR FREQUENCY SENSING MEANS
 331/4 .Search sweep of oscillator

12 332/103 (4 OR, 8 XR)
 Class 332 : MODULATORS
 332/103 PHASE SHIFT KEYING MODULATOR OR QUADRATURE
 AMPLITUDE MODULATOR

11 327/156 (2 OR, 9 XR)
 Class 327 : MISCELLANEOUS ACTIVE ELECTRICAL NONLINEAR
 DEVICES, CIRCUITS, AND SYSTEMS
 327/100 SIGNAL CONVERTING, SHAPING, OR GENERATING
 327/141 .Synchronizing
 327/155 ..With feedback
 327/156 ...Phase lock loop

11 455/183.1 (1 OR, 10 XR)
 Class 455 : TELECOMMUNICATIONS
 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
 CONVERTER
 455/150.1 .Signal selection based on frequency (e.g.,
 tuning)
 455/179.1 ..Channel or station selection
 455/183.1 ...With frequency synthesizer

10 332/144 (0 OR, 10 XR)
 Class 332 : MODULATORS
 332/144 PHASE MODULATOR

9 331/14 (2 OR, 7 XR)
 Class 331 : OSCILLATORS
 331/1R AUTOMATIC FREQUENCY STABILIZATION USING A PHASE
 OR FREQUENCY SENSING MEANS
 331/14 .With intermittent comparison controls

9 331/23 (1 OR, 8 XR)
 Class 331 : OSCILLATORS
 331/1R AUTOMATIC FREQUENCY STABILIZATION USING A PHASE
 OR FREQUENCY SENSING MEANS
 331/18 .With reference oscillator or source
 331/23 ..Sensing modulation (e.g., frequency
 modulation controlled oscillator

9 332/128 (2 OR, 7 XR)
 Class 332 : MODULATORS
 332/117 FREQUENCY MODULATOR
 332/123 .Including stabilization or alternatively
 distortion, noise or other interference prevention,
 reduction, or compensation
 332/126 ..Automatic frequency stabilization or control
 332/127 ...Phase or frequency locked loop
 332/128Modulating signal applied to plural
 elements of the loop

7 331/19 (0 OR, 7 XR)
 Class 331 : OSCILLATORS
 331/1R AUTOMATIC FREQUENCY STABILIZATION USING A PHASE
 OR FREQUENCY SENSING MEANS
 331/18 .With reference oscillator or source
 331/19 ..Spectrum reference source

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7 375/344      (3 OR, 4 XR)
   Class 375 : PULSE OR DIGITAL COMMUNICATIONS
   375/316    RECEIVERS
   375/344    .Automatic frequency control

7 455/113      (0 OR, 7 XR)
   Class 455 : TELECOMMUNICATIONS
   455/91     TRANSMITTER
   455/110    .Angle modulation
   455/113    ..With frequency control

6 324/76.27    (2 OR, 4 XR)
   Class 324 : ELECTRICITY: MEASURING AND TESTING
   324/76.11  MEASURING, TESTING, OR SENSING ELECTRICITY, PER
               SE
   324/76.12  .Analysis of complex waves
   324/76.19  ..Frequency spectrum analyzer
   324/76.26  ...Scanning-panoramic receiver
   324/76.27  ....With particular sweep circuit

6 331/10       (2 OR, 4 XR)
   Class 331 : OSCILLATORS
   331/1R     AUTOMATIC FREQUENCY STABILIZATION USING A PHASE
               OR FREQUENCY SENSING MEANS
   331/10     .Plural A.F.S. for a single oscillator

6 331/178      (0 OR, 6 XR)
   Class 331 : OSCILLATORS
   331/177R   WITH FREQUENCY ADJUSTING MEANS
   331/178    .Cyclic frequency sweeping means (e.g.,
               vibrato)

6 331/1R       (4 OR, 2 XR)
   Class 331 : OSCILLATORS
   331/1R     AUTOMATIC FREQUENCY STABILIZATION USING A PHASE
               OR FREQUENCY SENSING MEANS

6 331/34       (0 OR, 6 XR)
   Class 331 : OSCILLATORS
   331/1R     AUTOMATIC FREQUENCY STABILIZATION USING A PHASE
               OR FREQUENCY SENSING MEANS
   331/34     .Particular frequency control means

6 375/303      (0 OR, 6 XR)
   Class 375 : PULSE OR DIGITAL COMMUNICATIONS
   375/295    TRANSMITTERS
   375/302    .Angle modulation
   375/303    ..Frequency shift keying

6 375/327      (1 OR, 5 XR)
   Class 375 : PULSE OR DIGITAL COMMUNICATIONS
   375/316    RECEIVERS
   375/322    .Angle modulation
   375/324    ..Particular demodulator
   375/327    ...Phase locked loop

6 375/373      (3 OR, 3 XR)
   Class 375 : PULSE OR DIGITAL COMMUNICATIONS
   375/354    SYNCHRONIZERS
   375/371    .Phase displacement, slip or jitter correction
   375/373    ..Phase locking

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- 6 455/119 (1 OR, 5 XR)
 Class 455 : TELECOMMUNICATIONS
 455/91 TRANSMITTER
 455/119 .Carrier frequency stabilization
- 6 708/270 (1 OR, 5 XR)
 Class 708 : ELECTRICAL COMPUTERS: ARITHMETIC PROCESSING
 AND CALCULATING
 708/100 ELECTRICAL DIGITAL CALCULATING COMPUTER
 708/200 .Particular function performed
 708/270 ..Function generation
- 5 324/76.23 (0 OR, 5 XR)
 Class 324 : ELECTRICITY: MEASURING AND TESTING
 324/76.11 MEASURING, TESTING, OR SENSING ELECTRICITY, PER
 SE
 324/76.12 .Analysis of complex waves
 324/76.19 ..Frequency spectrum analyzer
 324/76.23 ...With mixer
- 5 327/159 (0 OR, 5 XR)
 Class 327 : MISCELLANEOUS ACTIVE ELECTRICAL NONLINEAR
 DEVICES, CIRCUITS, AND SYSTEMS
 327/100 SIGNAL CONVERTING, SHAPING, OR GENERATING
 327/141 .Synchronizing
 327/155 ..With feedback
 327/156 ...Phase lock loop
 327/159With digital element
- 5 329/304 (1 OR, 4 XR)
 Class 329 : DEMODULATORS
 329/304 PHASE SHIFT KEYING OR QUADRATURE AMPLITUDE
 DEMODULATOR
- 5 331/179 (0 OR, 5 XR)
 Class 331 : OSCILLATORS
 331/177R WITH FREQUENCY ADJUSTING MEANS
 331/179 .Step-frequency change (e.g., band selection,
 frequency-shift keying)
- 5 331/40 (1 OR, 4 XR)
 Class 331 : OSCILLATORS
 331/37 BEAT FREQUENCY
 331/40 .Frequency or amplitude adjustment or control
- 5 331/DIG 2 (0 OR, 5 XR)
 Class 331 : OSCILLATORS
 331/DIG 2 Phase locked loop having lock indicating or
 detecting means
- 5 375/326 (3 OR, 2 XR)
 Class 375 : PULSE OR DIGITAL COMMUNICATIONS
 375/316 RECEIVERS
 375/322 .Angle modulation
 375/324 ..Particular demodulator
 375/326 ...Carrier recovery circuit or carrier tracking
- 5 375/329 (1 OR, 4 XR)
 Class 375 : PULSE OR DIGITAL COMMUNICATIONS
 375/316 RECEIVERS

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375/322      .Angle modulation
375/329      ..Phase shift keying

5  375/371      (0 OR, 5 XR)
    Class 375 : PULSE OR DIGITAL COMMUNICATIONS
375/354      SYNCHRONIZERS
375/371      .Phase displacement, slip or jitter correction

5  455/110      (1 OR, 4 XR)
    Class 455 : TELECOMMUNICATIONS
455/91      TRANSMITTER
455/110      .Angle modulation

5  455/118      (0 OR, 5 XR)
    Class 455 : TELECOMMUNICATIONS
455/91      TRANSMITTER
455/118      .Frequency conversion

5  455/165.1    (0 OR, 5 XR)
    Class 455 : TELECOMMUNICATIONS
455/130      RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
              CONVERTER
455/150.1    .Signal selection based on frequency (e.g.,
              tuning)
455/161.1    ..Frequency scanning
455/165.1    ...With frequency synthesizer

5  455/192.2    (1 OR, 4 XR)
    Class 455 : TELECOMMUNICATIONS
455/130      RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
              CONVERTER
455/150.1    .Signal selection based on frequency (e.g.,
              tuning)
455/192.1    ..With frequency control
455/192.2    ...Automatic (AFC)

5  455/315      (1 OR, 4 XR)
    Class 455 : TELECOMMUNICATIONS
455/130      RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
              CONVERTER
455/313      .Frequency modifying or conversion
455/314      ..Plural separate successive conversions
455/315      ...With plural separate local oscillators

4  327/157      (0 OR, 4 XR)
    Class 327 : MISCELLANEOUS ACTIVE ELECTRICAL NONLINEAR
              DEVICES, CIRCUITS, AND SYSTEMS
327/100      SIGNAL CONVERTING, SHAPING, OR GENERATING
327/141      .Synchronizing
327/155      ..With feedback
327/156      ...Phase lock loop
327/157      ....With charge pump

4  331/27      (0 OR, 4 XR)
    Class 331 : OSCILLATORS
331/1R      AUTOMATIC FREQUENCY STABILIZATION USING A PHASE
              OR FREQUENCY SENSING MEANS
331/18      .With reference oscillator or source
331/25      ..Signal or phase comparator
331/27      ...Plural active element (e.g., triodes)

4  331/36C      (0 OR, 4 XR)

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Class 331 : OSCILLATORS
 331/1R AUTOMATIC FREQUENCY STABILIZATION USING A PHASE
 OR FREQUENCY SENSING MEANS
 331/34 .Particular frequency control means
 331/36R ..Reactance device (e.g., variable capacitors,
 saturable inductors, reactance tubes, etc.)
 331/36C ...Capacitor controlled AFC

4 332/101 (2 OR, 2 XR)
 Class 332 : MODULATORS
 332/100 FREQUENCY SHIFT KEYING MODULATOR OR MINIMUM
 SHIFT KEYING MODULATOR
 332/101 .Including logic element (e.g., logic gate or
 flip-flop)

4 332/117 (3 OR, 1 XR)
 Class 332 : MODULATORS
 332/117 FREQUENCY MODULATOR

4 332/119 (1 OR, 3 XR)
 Class 332 : MODULATORS
 332/117 FREQUENCY MODULATOR
 332/119 .Plural modulation

4 348/731 (3 OR, 1 XR)
 Class 348 : TELEVISION
 348/725 RECEIVER CIRCUITRY
 348/731 .Tuning

4 348/735 (0 OR, 4 XR)
 Class 348 : TELEVISION
 348/725 RECEIVER CIRCUITRY
 348/735 .Automatic frequency control

4 375/345 (0 OR, 4 XR)
 Class 375 : PULSE OR DIGITAL COMMUNICATIONS
 375/316 RECEIVERS
 375/345 .Automatic gain control

4 375/375 (1 OR, 3 XR)
 Class 375 : PULSE OR DIGITAL COMMUNICATIONS
 375/354 SYNCHRONIZERS
 375/371 .Phase displacement, slip or jitter correction

 375/373 ..Phase locking
 375/375 ...With frequency detector and phase detector

4 377/48 (1 OR, 3 XR)
 Class 377 : ELECTRICAL PULSE COUNTERS, PULSE DIVIDERS, OR
 SHIFT REGISTERS: CIRCUITS AND SYSTEMS
 377/27 SYSTEMS
 377/47 .Pulse multiplication or division
 377/48 ..Multiplication or division by a fraction

4 455/112 (0 OR, 4 XR)
 Class 455 : TELECOMMUNICATIONS
 455/91 TRANSMITTER
 455/110 .Angle modulation
 455/112 ..With frequency multiplication or division

4 455/12.1 (1 OR, 3 XR)
 Class 455 : TELECOMMUNICATIONS

- 455/7 CARRIER WAVE REPEATER OR RELAY SYSTEM (I.E.,
RETRANSMISSION OF SAME INFORMATION)
455/11.1 .Portable or mobile repeater
455/12.1 ..Space satellite
- 4 455/182.2 (2 OR, 2 XR)
Class 455 : TELECOMMUNICATIONS
455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
CONVERTER
455/150.1 .Signal selection based on frequency (e.g.,
tuning)
455/179.1 ..Channel or station selection
455/182.1 ...With frequency control
455/182.2Automatic (AFC)
- 4 455/182.3 (2 OR, 2 XR)
Class 455 : TELECOMMUNICATIONS
455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
CONVERTER
455/150.1 .Signal selection based on frequency (e.g.,
tuning)
455/179.1 ..Channel or station selection
455/182.3 ...Fine tuning
- 4 455/209 (1 OR, 3 XR)
Class 455 : TELECOMMUNICATIONS
455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
CONVERTER
455/205 .Frequency or phase modulation
455/208 ..With synchronized or controlled local
oscillator
455/209 ...Plural local oscillators or mixers
- 4 455/87 (0 OR, 4 XR)
Class 455 : TELECOMMUNICATIONS
455/73 TRANSMITTER AND RECEIVER AT SAME STATION (E.G.,
TRANSCEIVER)
455/84 .With a common signal processing stage
455/86 ..Transmitter oscillator used as local
oscillator
455/87 ...Tunable or variable
- 3 324/76.19 (1 OR, 2 XR)
Class 324 : ELECTRICITY: MEASURING AND TESTING
324/76.11 MEASURING, TESTING, OR SENSING ELECTRICITY, PER
SE
324/76.12 .Analysis of complex waves
324/76.19 ..Frequency spectrum analyzer
- 3 327/113 (0 OR, 3 XR)
Class 327 : MISCELLANEOUS ACTIVE ELECTRICAL NONLINEAR
DEVICES, CIRCUITS, AND SYSTEMS
327/100 SIGNAL CONVERTING, SHAPING, OR GENERATING
327/113 .Frequency or repetition rate conversion or
control
- 3 327/115 (0 OR, 3 XR)
Class 327 : MISCELLANEOUS ACTIVE ELECTRICAL NONLINEAR
DEVICES, CIRCUITS, AND SYSTEMS
327/100 SIGNAL CONVERTING, SHAPING, OR GENERATING
327/113 .Frequency or repetition rate conversion or
control
327/114 ..of output rectangular waveform

327/115 ...Frequency division

3 327/129 (0 OR, 3 XR)
 Class 327 : MISCELLANEOUS ACTIVE ELECTRICAL NONLINEAR
 DEVICES, CIRCUITS, AND SYSTEMS
 327/100 SIGNAL CONVERTING, SHAPING, OR GENERATING
 327/129 .Generating sinusoidal output

3 327/147 (0 OR, 3 XR)
 Class 327 : MISCELLANEOUS ACTIVE ELECTRICAL NONLINEAR
 DEVICES, CIRCUITS, AND SYSTEMS
 327/100 SIGNAL CONVERTING, SHAPING, OR GENERATING
 327/141 .Synchronizing
 327/144 ..Using multiple clocks
 327/146 ...With feedback
 327/147Phase lock loop

3 327/551 (0 OR, 3 XR)
 Class 327 : MISCELLANEOUS ACTIVE ELECTRICAL NONLINEAR
 DEVICES, CIRCUITS, AND SYSTEMS
 327/524 SPECIFIC IDENTIFIABLE DEVICE, CIRCUIT, OR
 SYSTEM
 327/551 .Unwanted signal suppression

3 327/7 (1 OR, 2 XR)
 Class 327 : MISCELLANEOUS ACTIVE ELECTRICAL NONLINEAR
 DEVICES, CIRCUITS, AND SYSTEMS
 327/1 SPECIFIC SIGNAL DISCRIMINATING (E.G.,
 COMPARING, SELECTING, ETC.) WITHOUT SUBSEQUENT CONTROL
 327/2 .By phase
 327/3 ..Comparison between plural inputs (e.g., phase
 angle indication, lead-lag discriminator, etc.)
 327/7 ...With reference signal

3 331/11 (2 OR, 1 XR)
 Class 331 : OSCILLATORS
 331/1R AUTOMATIC FREQUENCY STABILIZATION USING A PHASE
 OR FREQUENCY SENSING MEANS
 331/10 .Plural A.F.S. for a single oscillator
 331/11 ..Plural comparators or discriminators

3 331/176 (1 OR, 2 XR)
 Class 331 : OSCILLATORS
 331/175 FREQUENCY STABILIZATION
 331/176 .Temperature or current responsive means in
 circuit

3 331/177R (0 OR, 3 XR)
 Class 331 : OSCILLATORS
 331/177R WITH FREQUENCY ADJUSTING MEANS

3 331/177V (0 OR, 3 XR)
 Class 331 : OSCILLATORS
 331/177R WITH FREQUENCY ADJUSTING MEANS
 331/177V .With voltage sensitive capacitor

3 331/30 (0 OR, 3 XR)
 Class 331 : OSCILLATORS
 331/1R AUTOMATIC FREQUENCY STABILIZATION USING A PHASE
 OR FREQUENCY SENSING MEANS
 331/30 .With stable heterodyne oscillator or source

- 3 331/31 (0 OR, 3 XR)
 Class 331 : OSCILLATORS
 331/1R AUTOMATIC FREQUENCY STABILIZATION USING A PHASE
 OR FREQUENCY SENSING MEANS
 331/30 .With stable heterodyne oscillator or source
 331/31 ..Plural significant heterodyne stages
- 3 331/43 (0 OR, 3 XR)
 Class 331 : OSCILLATORS
 331/37 BEAT FREQUENCY
 331/42 .With particular signal combining means (e.g.,
 cavity mixer)
 331/43 ..With filter in mixer output circuit
- 3 331/66 (0 OR, 3 XR)
 Class 331 : OSCILLATORS
 331/65 WITH DEVICE RESPONSIVE TO EXTERNAL PHYSICAL
 CONDITION
 331/66 .Temperature or light responsive
- 3 331/96 (2 OR, 1 XR)
 Class 331 : OSCILLATORS
 331/96 WITH DISTRIBUTED PARAMETER RESONATOR
- 3 332/100 (3 OR, 0 XR)
 Class 332 : MODULATORS
 332/100 FREQUENCY SHIFT KEYING MODULATOR OR MINIMUM
 SHIFT KEYING MODULATOR
- 3 332/123 (1 OR, 2 XR)
 Class 332 : MODULATORS
 332/117 FREQUENCY MODULATOR
 332/123 .Including stabilization or alternatively
 distortion, noise or other interference prevention,
 reduction, or compensation
- 3 332/124 (1 OR, 2 XR)
 Class 332 : MODULATORS
 332/117 FREQUENCY MODULATOR
 332/123 .Including stabilization or alternatively
 distortion, noise or other interference prevention,
 reduction, or compensation
 332/124 ..Nonlinearity reduction or compensation
- 3 341/147 (1 OR, 2 XR)
 Class 341 : CODED DATA GENERATION OR CONVERSION
 341/126 ANALOG TO OR FROM DIGITAL CONVERSION
 341/144 .Digital to analog conversion
 341/147 ..Function generator
- 3 342/118 (0 OR, 3 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/118 DETERMINING DISTANCE
- 3 342/175 (0 OR, 3 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/175 WITH PARTICULAR CIRCUIT
- 3 342/195 (0 OR, 3 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES

- 342/175 WITH PARTICULAR CIRCUIT
342/195 .Digital processing
- 3 342/202 (2 OR, 1 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/175 WITH PARTICULAR CIRCUIT
342/202 .For pulse modulation
- 3 342/22 (3 OR, 0 XR)
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
AND DEVICES
342/22 TRANSMISSION THROUGH MEDIA OTHER THAN AIR OR
FREE SPACE
- 3 370/516 (1 OR, 2 XR)
Class 370 : MULTIPLEX COMMUNICATIONS
370/473 ..Transmission of a single message having
multiple packets
370/498 .Combining or distributing information via time
channels
370/503 ..Synchronizing
370/516 ...Adjusting for phase or jitter
- 3 375/146 (1 OR, 2 XR)
Class 375 : PULSE OR DIGITAL COMMUNICATIONS
375/130 SPREAD SPECTRUM
375/140 .Direct sequence
375/146 ..Transmitter
- 3 375/216 (0 OR, 3 XR)
Class 375 : PULSE OR DIGITAL COMMUNICATIONS
375/216 APPARATUS CONVERTIBLE TO ANALOG
- 3 375/222 (2 OR, 1 XR)
Class 375 : PULSE OR DIGITAL COMMUNICATIONS
375/219 TRANSCIVERS
375/222 .Modems (data sets)
- 3 375/271 (0 OR, 3 XR)
Class 375 : PULSE OR DIGITAL COMMUNICATIONS
375/259 SYSTEMS USING ALTERNATING OR PULSATING CURRENT
375/271 .Angle modulation
- 3 375/272 (0 OR, 3 XR)
Class 375 : PULSE OR DIGITAL COMMUNICATIONS
375/259 SYSTEMS USING ALTERNATING OR PULSATING CURRENT
375/271 .Angle modulation
375/272 ..Frequency shift keying
- 3 375/279 (0 OR, 3 XR)
Class 375 : PULSE OR DIGITAL COMMUNICATIONS
375/259 SYSTEMS USING ALTERNATING OR PULSATING CURRENT
375/271 .Angle modulation
375/279 ..Phase shift keying
- 3 375/296 (2 OR, 1 XR)
Class 375 : PULSE OR DIGITAL COMMUNICATIONS
375/295 TRANSMITTERS
375/296 .Antinoise or distortion (includes

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predistortion)

- 3 375/377 (2 OR, 1 XR)
Class 375 : PULSE OR DIGITAL COMMUNICATIONS
375/377 MISCELLANEOUS
- 3 455/183.2 (1 OR, 2 XR)
Class 455 : TELECOMMUNICATIONS
455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
CONVERTER
455/150.1 .Signal selection based on frequency (e.g.,
tuning)
455/179.1 ..Channel or station selection
455/183.1 ...With frequency synthesizer
455/183.2Processor controlled
- 3 455/192.3 (0 OR, 3 XR)
Class 455 : TELECOMMUNICATIONS
455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
CONVERTER
455/150.1 .Signal selection based on frequency (e.g.,
tuning)
455/192.1 ..With frequency control
455/192.3 ...Fine tuning
- 3 455/316 (0 OR, 3 XR)
Class 455 : TELECOMMUNICATIONS
455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
CONVERTER
455/313 .Frequency modifying or conversion
455/314 ..Plural separate successive conversions
455/315 ...With plural separate local oscillators
455/316With frequency stabilization for at least
one local oscillator
- 3 455/324 (0 OR, 3 XR)
Class 455 : TELECOMMUNICATIONS
455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
CONVERTER
455/313 .Frequency modifying or conversion
455/323 ..Particular frequency conversion structure or
circuitry
455/324 ...Homodyne (i.e., zero beat or synchrodyne
reception)
- 3 455/67.16 (0 OR, 3 XR)
Class 455 : TELECOMMUNICATIONS
455/39 TRANSMITTER AND RECEIVER AT SEPARATE STATIONS
455/67.11 .Having measuring, testing, or monitoring of
system or part
455/67.16 ..Phase measuring (e.g., group delay,
propagation effect, etc.)
- 3 455/86 (1 OR, 2 XR)
Class 455 : TELECOMMUNICATIONS
455/73 TRANSMITTER AND RECEIVER AT SAME STATION (E.G.,
TRANSCEIVER)
455/84 .With a common signal processing stage
455/86 ..Transmitter oscillator used as local
oscillator
- 3 708/313 (1 OR, 2 XR)

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class 708 : ELECTRICAL COMPUTERS: ARITHMETIC PROCESSING
            AND CALCULATING
708/100    ELECTRICAL DIGITAL CALCULATING COMPUTER
708/200    .Particular function performed
708/300    ..Filtering
708/313    ...Decimation/interpolation

2 73/19.03 (2 OR, 0 XR)
    class 073 : MEASURING AND TESTING
73/19.01    GAS CONTENT OF A LIQUID OR A SOLID
73/19.03    .By vibration

2 73/632   (0 OR, 2 XR)
    class 073 : MEASURING AND TESTING
73/570      VIBRATION
73/584      .By mechanical waves
73/596      ..Beamed
73/632      ...Sonic wave transmitter or receiver
            transducer

2 73/866.5 (0 OR, 2 XR)
    class 073 : MEASURING AND TESTING
73/866.5    PROBE OR PROBE MOUNTING

2 324/307   (0 OR, 2 XR)
    class 324 : ELECTRICITY: MEASURING AND TESTING
324/300     PARTICLE PRECESSION RESONANCE
324/307     .Using a nuclear resonance spectrometer system

2 324/309   (2 OR, 0 XR)
    class 324 : ELECTRICITY: MEASURING AND TESTING
324/300     PARTICLE PRECESSION RESONANCE
324/307     .Using a nuclear resonance spectrometer system

324/309     ..To obtain localized resonance within a sample

2 324/314   (0 OR, 2 XR)
    class 324 : ELECTRICITY: MEASURING AND TESTING
324/300     PARTICLE PRECESSION RESONANCE
324/307     .Using a nuclear resonance spectrometer system

324/314     ..With conditioning of transmitter signal

2 324/326   (0 OR, 2 XR)
    class 324 : ELECTRICITY: MEASURING AND TESTING
324/323     OF GEOPHYSICAL SURFACE OR SUBSURFACE IN SITU
324/326     .For small object detection or location

2 324/332   (0 OR, 2 XR)
    class 324 : ELECTRICITY: MEASURING AND TESTING
324/323     OF GEOPHYSICAL SURFACE OR SUBSURFACE IN SITU
324/332     .With radiant energy or nonconductive-type
            transmitter

2 324/344   (0 OR, 2 XR)
    class 324 : ELECTRICITY: MEASURING AND TESTING
324/323     OF GEOPHYSICAL SURFACE OR SUBSURFACE IN SITU
324/344     .With radiant energy or nonconductive-type
            receiver

2 324/613   (2 OR, 0 XR)

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- Class 324 : ELECTRICITY: MEASURING AND TESTING
 324/600 IMPEDANCE, ADMITTANCE OR OTHER QUANTITIES
 REPRESENTATIVE OF ELECTRICAL STIMULUS/RESPONSE
 RELATIONSHIPS
 324/612 .Parameter related to the reproduction or
 fidelity of a signal affected by a circuit under test
 324/613 ..Noise
- 2 324/76.12 (0 OR, 2 XR)
 Class 324 : ELECTRICITY: MEASURING AND TESTING
 324/76.11 MEASURING, TESTING, OR SENSING ELECTRICITY, PER
 SE
 324/76.12 .Analysis of complex waves
- 2 324/76.33 (2 OR, 0 XR)
 Class 324 : ELECTRICITY: MEASURING AND TESTING
 324/76.11 MEASURING, TESTING, OR SENSING ELECTRICITY, PER
 SE
 324/76.12 .Analysis of complex waves
 324/76.19 ..Frequency spectrum analyzer
 324/77.11 ...Nonscanning
 324/76.33Correlation
- 2 324/76.35 (0 OR, 2 XR)
 Class 324 : ELECTRICITY: MEASURING AND TESTING
 324/76.11 MEASURING, TESTING, OR SENSING ELECTRICITY, PER
 SE
 324/76.12 .Analysis of complex waves
 324/76.19 ..Frequency spectrum analyzer
 324/77.11 ...Nonscanning
 324/76.35With delay line
- 2 324/76.43 (0 OR, 2 XR)
 Class 324 : ELECTRICITY: MEASURING AND TESTING
 324/76.11 MEASURING, TESTING, OR SENSING ELECTRICITY, PER
 SE
 324/76.39 .Frequency of cyclic current or voltage (e.g.,
 cyclic counting etc.)
 324/76.41 ..Frequency comparison, (e.g., heterodyne,
 etc.)
 324/76.43 ...With plural mixers
- 2 324/76.53 (0 OR, 2 XR)
 Class 324 : ELECTRICITY: MEASURING AND TESTING
 324/76.11 MEASURING, TESTING, OR SENSING ELECTRICITY, PER
 SE
 324/76.39 .Frequency of cyclic current or voltage (e.g.,
 cyclic counting etc.)
 324/76.52 ..By phase comparison
 324/76.53 ...With phase lock
- 2 327/117 (0 OR, 2 XR)
 Class 327 : MISCELLANEOUS ACTIVE ELECTRICAL NONLINEAR
 DEVICES, CIRCUITS, AND SYSTEMS
 327/100 SIGNAL CONVERTING, SHAPING, OR GENERATING
 327/113 .Frequency or repetition rate conversion or
 control
 327/117 ..Frequency division
- 2 327/119 (0 OR, 2 XR)
 Class 327 : MISCELLANEOUS ACTIVE ELECTRICAL NONLINEAR
 DEVICES, CIRCUITS, AND SYSTEMS
 327/100 SIGNAL CONVERTING, SHAPING, OR GENERATING

327/113 .Frequency or repetition rate conversion or control

327/119 ..Frequency multiplication (e.g., harmonic generation, etc.)

2 327/12 (1 OR, 1 XR)
 Class 327 : MISCELLANEOUS ACTIVE ELECTRICAL NONLINEAR DEVICES, CIRCUITS, AND SYSTEMS

327/1 SPECIFIC SIGNAL DISCRIMINATING (E.G., COMPARING, SELECTING, ETC.) WITHOUT SUBSEQUENT CONTROL

327/2 .By phase

327/3 ..Comparison between plural inputs (e.g., phase angle indication, lead-lag discriminator, etc.)

327/12 ...With logic or bistable circuit

2 327/158 (1 OR, 1 XR)
 Class 327 : MISCELLANEOUS ACTIVE ELECTRICAL NONLINEAR DEVICES, CIRCUITS, AND SYSTEMS

327/100 SIGNAL CONVERTING, SHAPING, OR GENERATING

327/141 .Synchronizing

327/155 ..With feedback

327/156 ...Phase lock loop

327/158With variable delay means

2 327/231 (0 OR, 2 XR)
 Class 327 : MISCELLANEOUS ACTIVE ELECTRICAL NONLINEAR DEVICES, CIRCUITS, AND SYSTEMS

327/100 SIGNAL CONVERTING, SHAPING, OR GENERATING

327/231 .Phase shift by less than period of input

2 327/355 (0 OR, 2 XR)
 Class 327 : MISCELLANEOUS ACTIVE ELECTRICAL NONLINEAR DEVICES, CIRCUITS, AND SYSTEMS

327/334 SPECIFIC INPUT TO OUTPUT FUNCTION

327/355 .Combining of plural signals

2 327/9 (0 OR, 2 XR)
 Class 327 : MISCELLANEOUS ACTIVE ELECTRICAL NONLINEAR DEVICES, CIRCUITS, AND SYSTEMS

327/1 SPECIFIC SIGNAL DISCRIMINATING (E.G., COMPARING, SELECTING, ETC.) WITHOUT SUBSEQUENT CONTROL

327/2 .By phase

327/3 ..Comparison between plural inputs (e.g., phase angle indication, lead-lag discriminator, etc.)

327/7 ...With reference signal

327/9With sampling

2 329/306 (0 OR, 2 XR)
 Class 329 : DEMODULATORS

329/304 PHASE SHIFT KEYING OR QUADRATURE AMPLITUDE DEMODULATOR

329/306 .Input signal combined with local oscillator or carrier frequency signal

2 329/323 (0 OR, 2 XR)
 Class 329 : DEMODULATORS

329/315 FREQUENCY MODULATION DEMODULATOR

329/323 .Input signal combined with local oscillator or carrier frequency signal

2 331/107SL (1 OR, 1 XR)

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class 331 : OSCILLATORS
331/107R SOLID STATE ACTIVE ELEMENT OSCILLATOR
331/107DP .Significant distributed parameter resonator
          (e.g., cavity)
331/107SL ..Stripline type

2 331/117D (0 OR, 2 XR)
class 331 : OSCILLATORS
331/107R SOLID STATE ACTIVE ELEMENT OSCILLATOR
331/108R .Transistors
331/117R ..L-C type
331/117D ...Distributed parameter resonator transistor
          oscillators

2 331/12 (0 OR, 2 XR)
class 331 : OSCILLATORS
331/1R AUTOMATIC FREQUENCY STABILIZATION USING A PHASE
        OR FREQUENCY SENSING MEANS
331/10 .Plural A.F.S. for a single oscillator
331/11 ..Plural comparators or discriminators
331/12 ...With phase-shifted inputs

2 331/158 (0 OR, 2 XR)
class 331 : OSCILLATORS
331/154 ELECTROMECHANICAL RESONATOR
331/158 .Crystal

2 331/175 (0 OR, 2 XR)
class 331 : OSCILLATORS
331/175 FREQUENCY STABILIZATION

2 331/22 (0 OR, 2 XR)
class 331 : OSCILLATORS
331/1R AUTOMATIC FREQUENCY STABILIZATION USING A PHASE
        OR FREQUENCY SENSING MEANS
331/18 .With reference oscillator or source
331/22 ..Plural significant heterodyne stages

2 331/3 (2 OR, 0 XR)
class 331 : OSCILLATORS
331/1R AUTOMATIC FREQUENCY STABILIZATION USING A PHASE
        OR FREQUENCY SENSING MEANS
331/3 .Molecular resonance stabilization

2 331/37 (1 OR, 1 XR)
class 331 : OSCILLATORS
331/37 BEAT FREQUENCY

2 331/38 (0 OR, 2 XR)
class 331 : OSCILLATORS
331/37 BEAT FREQUENCY
331/38 .Plural beating

2 331/41 (1 OR, 1 XR)
class 331 : OSCILLATORS
331/37 BEAT FREQUENCY
331/41 .Frequency stabilization

2 331/47 (0 OR, 2 XR)
class 331 : OSCILLATORS
331/46 PLURAL OSCILLATORS
331/47 .Oscillator used to vary amplitude or frequency
        of another oscillator

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2 331/56 (0 OR, 2 XR)
 Class 331 : OSCILLATORS
 331/46 PLURAL OSCILLATORS
 331/56 .Parallel connected

2 331/74 (0 OR, 2 XR)
 Class 331 : OSCILLATORS
 331/74 COMBINED WITH PARTICULAR OUTPUT COUPLING
 NETWORK

2 331/77 (0 OR, 2 XR)
 Class 331 : OSCILLATORS
 331/74 COMBINED WITH PARTICULAR OUTPUT COUPLING
 NETWORK
 331/77 .Wave filter

2 331/78 (0 OR, 2 XR)
 Class 331 : OSCILLATORS
 331/78 ELECTRICAL NOISE OR RANDOM WAVE GENERATOR

2 331/94.1 (0 OR, 2 XR)
 Class 331 : OSCILLATORS
 331/94.1 MOLECULAR OR PARTICLE RESONANT TYPE (E.G.,
 MASER)

2 332/104 (0 OR, 2 XR)
 Class 332 : MODULATORS
 332/103 PHASE SHIFT KEYING MODULATOR OR QUADRATURE
 AMPLITUDE MODULATOR
 332/104 .Including logic element (e.g., logic gate or
 flip-flop)

2 332/112 (2 OR, 0 XR)
 Class 332 : MODULATORS
 332/106 PULSE OR INTERRUPTED CONTINUOUS WAVE MODULATOR
 332/112 .Pulse position, frequency, phase, or spacing
 modulator

2 332/125 (1 OR, 1 XR)
 Class 332 : MODULATORS
 332/117 FREQUENCY MODULATOR
 332/123 .Including stabilization or alternatively
 distortion, noise or other interference prevention,
 reduction, or compensation
 332/125 ..Automatic amplitude stabilization or control

2 332/145 (0 OR, 2 XR)
 Class 332 : MODULATORS
 332/144 PHASE MODULATOR
 332/145 .Including amplitude modulator

2 341/118 (1 OR, 1 XR)
 Class 341 : CODED DATA GENERATION OR CONVERSION
 341/118 CONVERTER COMPENSATION

2 342/128 (1 OR, 1 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/118 DETERMINING DISTANCE
 342/128 .With frequency modulation

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2 342/134 (0 OR, 2 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/118 DETERMINING DISTANCE
 342/134 .With pulse modulation

2 342/135 (0 OR, 2 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/118 DETERMINING DISTANCE
 342/134 .With pulse modulation
 342/135 ..Digital (e.g., with counter)

2 342/173 (0 OR, 2 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/165 TESTING OR CALIBRATING OF RADAR SYSTEM
 342/173 .By monitoring

2 342/200 (2 OR, 0 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/175 WITH PARTICULAR CIRCUIT
 342/200 .For frequency modulation

2 342/204 (0 OR, 2 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/175 WITH PARTICULAR CIRCUIT
 342/202 .For pulse modulation
 342/204 ..With pulse shaping

2 342/27 (0 OR, 2 XR)
 Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS
 AND DEVICES
 342/27 PRESENCE DETECTION ONLY

2 360/51 (2 OR, 0 XR)
 Class 360 : DYNAMIC MAGNETIC INFORMATION STORAGE OR
 RETRIEVAL
 360/39 GENERAL PROCESSING OF A DIGITAL SIGNAL
 360/51 .Data clocking

2 360/61 (0 OR, 2 XR)
 Class 360 : DYNAMIC MAGNETIC INFORMATION STORAGE OR
 RETRIEVAL
 360/55 GENERAL RECORDING OR REPRODUCING
 360/61 .Signal switching

2 370/337 (2 OR, 0 XR)
 Class 370 : MULTIPLEX COMMUNICATIONS
 370/310 COMMUNICATION OVER FREE SPACE
 370/328 .Having a plurality of contiguous regions
 served by respective fixed stations
 370/329 ..Channel assignment
 370/336 ...Combining or distributing information via
 time channels
 370/337Multiple access (e.g., TDMA)

2 372/18 (1 OR, 1 XR)
 Class 372 : COHERENT LIGHT GENERATORS
 372/9 PARTICULAR BEAM CONTROL DEVICE

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372/18 .Mode locking

2 375/130 (0 OR, 2 XR)
 Class 375 : PULSE OR DIGITAL COMMUNICATIONS
 375/130 SPREAD SPECTRUM

2 375/140 (0 OR, 2 XR)
 Class 375 : PULSE OR DIGITAL COMMUNICATIONS
 375/130 SPREAD SPECTRUM
 375/140 .Direct sequence

2 375/147 (0 OR, 2 XR)
 Class 375 : PULSE OR DIGITAL COMMUNICATIONS
 375/130 SPREAD SPECTRUM
 375/140 .Direct sequence
 375/147 ..Receiver

2 375/274 (0 OR, 2 XR)
 Class 375 : PULSE OR DIGITAL COMMUNICATIONS
 375/259 SYSTEMS USING ALTERNATING OR PULSATING CURRENT

 375/271 .Angle modulation
 375/272 ..Frequency shift keying
 375/274 ...Minimum shift keying

2 375/297 (2 OR, 0 XR)
 Class 375 : PULSE OR DIGITAL COMMUNICATIONS
 375/295 TRANSMITTERS
 375/296 .Antinoise or distortion (includes
 predistortion)
 375/297 ..Power amplifier

2 375/298 (0 OR, 2 XR)
 Class 375 : PULSE OR DIGITAL COMMUNICATIONS
 375/295 TRANSMITTERS
 375/298 .Quadrature amplitude modulation

2 375/302 (0 OR, 2 XR)
 Class 375 : PULSE OR DIGITAL COMMUNICATIONS
 375/295 TRANSMITTERS
 375/302 .Angle modulation

2 375/305 (1 OR, 1 XR)
 Class 375 : PULSE OR DIGITAL COMMUNICATIONS
 375/295 TRANSMITTERS
 375/302 .Angle modulation
 375/303 ..Frequency shift keying
 375/305 ...Minimum shift keying

2 375/306 (0 OR, 2 XR)
 Class 375 : PULSE OR DIGITAL COMMUNICATIONS
 375/295 TRANSMITTERS
 375/302 .Angle modulation
 375/303 ..Frequency shift keying
 375/306 ...One oscillator

2 375/307 (0 OR, 2 XR)
 Class 375 : PULSE OR DIGITAL COMMUNICATIONS
 375/295 TRANSMITTERS
 375/302 .Angle modulation
 375/303 ..Frequency shift keying
 375/307 ...Two or more oscillators

- 2 375/316 (2 OR, 0 XR)
 Class 375 : PULSE OR DIGITAL COMMUNICATIONS
 375/316 RECEIVERS
- 2 375/317 (0 OR, 2 XR)
 Class 375 : PULSE OR DIGITAL COMMUNICATIONS
 375/316 RECEIVERS
 375/317 .Automatic baseline or threshold adjustment
- 2 375/324 (0 OR, 2 XR)
 Class 375 : PULSE OR DIGITAL COMMUNICATIONS
 375/316 RECEIVERS
 375/322 .Angle modulation
 375/324 ..Particular demodulator
- 2 375/346 (1 OR, 1 XR)
 Class 375 : PULSE OR DIGITAL COMMUNICATIONS
 375/316 RECEIVERS
 375/346 .Interference or noise reduction
- 2 375/350 (2 OR, 0 XR)
 Class 375 : PULSE OR DIGITAL COMMUNICATIONS
 375/316 RECEIVERS
 375/346 .Interference or noise reduction
 375/350 ..By filtering (e.g., digital)
- 2 375/367 (1 OR, 1 XR)
 Class 375 : PULSE OR DIGITAL COMMUNICATIONS
 375/354 SYNCHRONIZERS
 375/362 .Frequency or phase control using synchronizing
 signal
 375/365 ..Synchronization word
 375/367 ...Pseudo noise
- 2 375/372 (1 OR, 1 XR)
 Class 375 : PULSE OR DIGITAL COMMUNICATIONS
 375/354 SYNCHRONIZERS
 375/371 .Phase displacement, slip or jitter correction
 375/372 ..Elastic buffer
- 2 377/44 (0 OR, 2 XR)
 Class 377 : ELECTRICAL PULSE COUNTERS, PULSE DIVIDERS, OR
 SHIFT REGISTERS: CIRCUITS AND SYSTEMS
 377/27 SYSTEMS
 377/44 .Counter controlled counter
- 2 377/47 (1 OR, 1 XR)
 Class 377 : ELECTRICAL PULSE COUNTERS, PULSE DIVIDERS, OR
 SHIFT REGISTERS: CIRCUITS AND SYSTEMS
 377/27 SYSTEMS
 377/47 .Pulse multiplication or division
- 2 455/126 (0 OR, 2 XR)
 Class 455 : TELECOMMUNICATIONS
 455/91 TRANSMITTER
 455/126 .With feedback of modulated output signal
- 2 455/164.2 (1 OR, 1 XR)
 Class 455 : TELECOMMUNICATIONS
 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY
 CONVERTER
 455/150.1 .Signal selection based on frequency (e.g.,

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tuning)

- 455/161.1 ..Frequency scanning
- 455/164.1 ...With automatic frequency control
- 455/164.2Processor controlled (AFC)
- 2 455/208 (0 OR, 2 XR)
 - Class 455 : TELECOMMUNICATIONS
 - 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY CONVERTER
 - 455/205 .Frequency or phase modulation
 - 455/208 ..With synchronized or controlled local oscillator
- 2 455/226.1 (1 OR, 1 XR)
 - Class 455 : TELECOMMUNICATIONS
 - 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY CONVERTER
 - 455/226.1 .Measuring or testing of receiver
- 2 455/265 (1 OR, 1 XR)
 - Class 455 : TELECOMMUNICATIONS
 - 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY CONVERTER
 - 455/230 .Local control of receiver operation
 - 455/255 ..Local oscillator frequency control
 - 455/257 ...Automatic
 - 455/265With local oscillator synchronization or locking
- 2 455/3.02 (1 OR, 1 XR)
 - Class 455 : TELECOMMUNICATIONS
 - 455/3.01 WIRELESS DISTRIBUTION SYSTEM
 - 455/3.02 .Receiver for satellite broadcast
- 2 455/304 (0 OR, 2 XR)
 - Class 455 : TELECOMMUNICATIONS
 - 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY CONVERTER
 - 455/296 .Noise or interference elimination
 - 455/303 ..Using plural separate signal paths
 - 455/304 ...Phase shift in at least one path
- 2 455/310 (0 OR, 2 XR)
 - Class 455 : TELECOMMUNICATIONS
 - 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY CONVERTER
 - 455/296 .Noise or interference elimination
 - 455/310 ..Internally generated noise or oscillations
- 2 455/313 (0 OR, 2 XR)
 - Class 455 : TELECOMMUNICATIONS
 - 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY CONVERTER
 - 455/313 .Frequency modifying or conversion
- 2 455/42 (0 OR, 2 XR)
 - Class 455 : TELECOMMUNICATIONS
 - 455/39 TRANSMITTER AND RECEIVER AT SEPARATE STATIONS
 - 455/42 .Frequency or phase modulation
- 2 455/67.13 (0 OR, 2 XR)
 - Class 455 : TELECOMMUNICATIONS

- 455/39 TRANSMITTER AND RECEIVER AT SEPARATE STATIONS
- 455/67.11 .Having measuring, testing, or monitoring of
system or part
- 455/67.13 ..Noise, distortion, or unwanted signal
detection (e.g., quality control, etc.)
- 2 455/71 (0 OR, 2 XR)
Class 455 : TELECOMMUNICATIONS
455/39 TRANSMITTER AND RECEIVER AT SEPARATE STATIONS
- 455/68 .With control signal
- 455/70 ..Receiver control signal originates at message
transmitter
- 455/71 ...Frequency control
- 2 455/75 (0 OR, 2 XR)
Class 455 : TELECOMMUNICATIONS
455/73 TRANSMITTER AND RECEIVER AT SAME STATION (E.G.,
TRANSCIVER)
- 455/75 .With frequency stabilization (e.g., automatic
frequency control)
- 2 455/77 (0 OR, 2 XR)
Class 455 : TELECOMMUNICATIONS
455/73 TRANSMITTER AND RECEIVER AT SAME STATION (E.G.,
TRANSCIVER)
- 455/77 .With tuning
- 2 455/84 (0 OR, 2 XR)
Class 455 : TELECOMMUNICATIONS
455/73 TRANSMITTER AND RECEIVER AT SAME STATION (E.G.,
TRANSCIVER)
- 455/84 .With a common signal processing stage
- 2 702/69 (1 OR, 1 XR)
Class 702 : DATA PROCESSING: MEASURING, CALIBRATING, OR
TESTING
- 702/1 MEASUREMENT SYSTEM IN A SPECIFIC ENVIRONMENT
- 702/57 .Electrical signal parameter measurement system
- 702/66 ..Waveform analysis
- 702/69 ...Signal quality (e.g., timing jitter,
distortion, signal-to-noise ratio)
- 2 702/75 (1 OR, 1 XR)
Class 702 : DATA PROCESSING: MEASURING, CALIBRATING, OR
TESTING
- 702/1 MEASUREMENT SYSTEM IN A SPECIFIC ENVIRONMENT
- 702/57 .Electrical signal parameter measurement system
- 702/66 ..Waveform analysis
- 702/75 ...Frequency
- 2 708/272 (0 OR, 2 XR)
Class 708 : ELECTRICAL COMPUTERS: ARITHMETIC PROCESSING
AND CALCULATING
- 708/100 ELECTRICAL DIGITAL CALCULATING COMPUTER
- 708/200 .Particular function performed
- 708/270 ..Function generation
- 708/272 ...Memory used to store waveshape
- 2 725/68 (0 OR, 2 XR)

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class 725 : INTERACTIVE VIDEO DISTRIBUTION SYSTEMS
725/63 SATELLITE VIDEO DISTRIBUTION SYSTEM
725/68 .Receiver

ability 1
 above 5
 abstract 1
 accompanying 1
 accomplished 1
 accordance 2
 according 2
 achieved 2
 acquisition 1
 across 1
 adaptable 1
 added 1
 additional 1
 adjust 1
 adjustable 1
 adjusted 1
 adjusting 2
 advance 1
 advantages 2
 after 7
 against 1
 aircraft 1
 allows 2
 also 8
 alternative 1
 ambiguity 1
 among 2
 amplitude 1
 an 28
 analog 6
 and 112
 another 6
 antenna 2
 any 3
 aperture 4
 apparatus 1
 apparent 1
 appears 1
 appended 1
 application 1
 applications 2
 appreciated 2
 approach 5
 approaches 2
 appropriate 1
 arbitrary 1
 architecture 1
 arcsine 1
 are 14
 arrangement 3
 art 3
 artisan 2
 as 25
 asic 1
 assignee 1
 associated 7
 at 22
 attorney 2
 auxiliary 1
 available 1
 averaging 1
 azimuth 1
 background 2

band 2
bandwidth 1
base 4
based 4
be 40
because 3
become 1
been 1
before 9
beginning 2
begins 1
being 1
below 2
benefit 2
between 18
block 5
blocks 1
board 1
both 1
break 2
brief 1
brown 1
but 3
by 35
calculate 1
calculated 1
calibrated 2
calibrating 5
calibration 16
calibrator 4
can 1
capable 1
carrier 3
cascaded 2
caused 1
certainly 1
challenge 1
change 2
changing 1
chip 1
chirp 21
chirps 1
choice 1
circuit 1
circuits 3
claims 1
clock 2
coarse 10
coast 1
coasting 11
coherency 1
combination 1
combinations 1
combine 2
combined 2
combines 2
combining 1
come 1
communication 3
compared 1
comparing 2
complete 1
components 6

compounded 1
 comprises 1
 comprising 1
 concurrently 1
 conditions 2
 configuration 1
 connected 6
 connecting 1
 consequently 1
 constant 1
 construed 1
 content 1
 continues 1
 continuity 6
 continuous 25
 control 5
 controllably 2
 controlled 4
 controller 14
 controlling 1
 controls 1
 convenient 1
 conventional 3
 converter 13
 converters 5
 convey 1
 copending 1
 correlated 1
 correlation 3
 corresponding 1
 could 1
 coupled 8
 coupling 1
 course 1
 cover 1
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